

SRI-CubeSat Imaging Radar for Earth Science (SRI-CIRES)

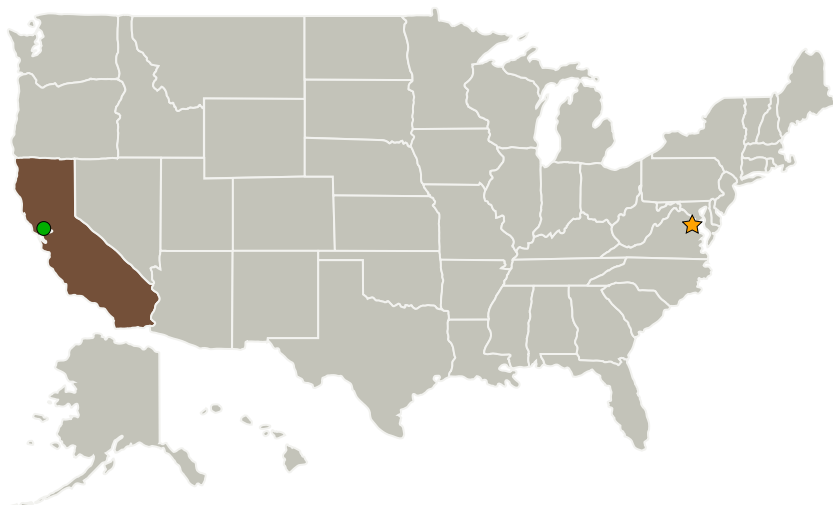
Completed Technology Project (2015 - 2017)



Project Introduction

The project will accomplish objectives by leveraging SRI expertise in UHF SAR and InSAR development and miniaturizing payloads for the CubeSat platform. I will also leverage SRI IRAD investments in a CubeSat highspeed I/Q data processor and storage (120 MBps). Finally it will validate prototype SAR subsystem performance in the laboratory and in relevant environments, e.g., vibration, thermal and vacuum.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ NASA Headquarters(HQ)	Lead Organization	NASA Center	Washington, District of Columbia
● Ames Research Center(ARC)	Supporting Organization	NASA Center	Moffett Field, California
SRI International	Supporting Organization	Industry	Menlo Park, California



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Organizational Responsibility

Responsible Mission Directorate:

Science Mission Directorate (SMD)

Lead Center / Facility:

NASA Headquarters (HQ)

Responsible Program:

Earth Science

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Primary U.S. Work Locations

California

Project Management

Program Director:

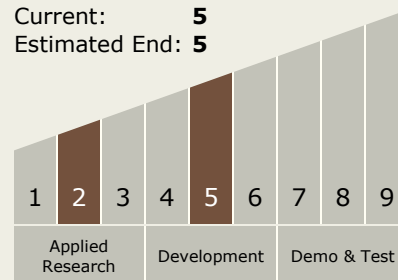
George J Komar

Principal Investigator:

Lauren Wye

Technology Maturity (TRL)

Start: 2
Current: 5
Estimated End: 5



Technology Areas

Primary:

- TX08 Sensors and Instruments
 - TX08.1 Remote Sensing Instruments/Sensors
 - TX08.1.4 Microwave, Millimeter-, and Submillimeter-Waves

Target Destination

Earth